

Title (en)

CHARGING MEMBER, PROCESS CARTRIDGE, AND ELECTRONIC PHOTOGRAPHY DEVICE

Title (de)

LADEELEMENT, PROZESSKARTUSCHE UND ELEKTROPHOTOGRAPHIEVORRICHTUNG

Title (fr)

ÉLÉMENT DE CHARGE, CARTOUCHE DE TRAITEMENT ET DISPOSITIF PHOTOGRAPHIQUE ÉLECTRONIQUE

Publication

EP 2703901 A4 20141126 (EN)

Application

EP 12777331 A 20120418

Priority

- JP 2011097477 A 20110425
- JP 2012002686 W 20120418

Abstract (en)

[origin: US2013004206A1] A charging member for electrophotographic apparatus is provided which has a superior charging performance for the electrophotographic photosensitive member and also can not easily change with time in charging performance. The charging member has a substrate, an elastic layer and a surface layer, which surface layer contains a high-molecular compound having an Si—O—Ti linkage in the molecular structure and a cyclic polysilane represented by the general formula (7) defined in the specification, and the high-molecular compound has a constituent unit represented by the general formula (1) and a constituent unit represented by the following formula (2) which are defined in the specification.

IPC 8 full level

G03G 15/02 (2006.01)

CPC (source: EP KR US)

G03G 15/02 (2013.01 - KR); **G03G 15/0233** (2013.01 - EP US)

Citation (search report)

- [A] EP 1991915 A1 20081119 - CANON KK [JP]
- [A] US 2010041851 A1 20100218 - KATSOULIS DIMITRIS ELIAS [US], et al
- [A] EP 1834217 A1 20070919 - CANON KK [JP]
- [A] US 2010135695 A1 20100603 - MAYUZUMI HIROSHI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2013004206 A1 20130103; CN 103492958 A 20140101; CN 103492958 B 20150812; EP 2703901 A1 20140305; EP 2703901 A4 20141126; EP 2703901 B1 20150930; JP 2012237987 A 20121206; JP 5943690 B2 20160705; KR 101469408 B1 20141204; KR 20140004221 A 20140110; WO 2012147309 A1 20121101

DOCDB simple family (application)

US 201213615380 A 20120913; CN 201280019991 A 20120418; EP 12777331 A 20120418; JP 2012002686 W 20120418; JP 2012097995 A 20120423; KR 20137030303 A 20120418